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Form PTO - 1449 U.S. Department of Commerce (Modified) Patent and Trademark Office Serial No.: 10/045,904 Applicant: STRAYER, David Filing Date: November 7, 2001 Art No. Examiner Art No. Examiner Allyson Purnell									
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		OTHER DOCUM	ENTS (I	ncluding Author, Title, Date,	Place of	Publicat	ion**)		
X	AA	Aballay, A. Sarrouf, M., Colombo, M., Stahl, P., & L. Mayorga "Zn ²⁺ Depletion Blocks Endosome Fusion." Biochem J 312: 919-923, 1995.							
	AB	Avery, M. & J. Mead "Surface Properties in Relation to Atelectasis and Hyaline Membrane Disease." AM J Dis Child 97: 517-523, 1959.							
	AC	Benito, E. & M. Bosch "the Inflammatory Cytokines Tumor Necrosis Factor α and Interleukin-1β Stimulate Phosphatidylcholine Secretion in Primary Cultures of Rat Type II Pneumocytes." Mol Cell Biochem 189: 169-176, 1998.							
	AD	Berridge, M. "Inositol Trisphosphate and Calcium Signalling." Nature 361: 315-325, 1993.							
	AE	Bian, X., Hughes, F., Huang, Y., Cidlowski, J., & J. Putney "Roles of Cytoplasmic CA ²⁺ and Intralcellular CA ²⁺ Stores in Induction & Suppression of Apoptosis in S49 Cells." Am J Physiol 272: 1241-1249, 1997.							
	AF	Blatter, L., & W. Wier "Intracellular Diffusion, Binding, and Compartmentalization of the Fluorescent Calcium Indicators Indo-1 and Fura-2." Biophys J 58: 1491-1499, 1990.							
	AG	Chander, A., & A. Fisher "Regulation of Lung Surfactant Secretion." Am J Physiol 258: L241-253, 1990.							
	АН	Dobbs, L., Wright, J., Hawgood, S., Gonzalez, Venstrom, K., & J. Nellenbogen "Pulmonary Surfactant & Its Components Inhibit Secretion of Phosphatidylcholine from Cultured Rat Alveolar Type II Cells." Proc Natl Acad Sci 84: 1010-1014, 1987.							
	AI	Dorn, C., Rice, W., & F. Singleton "Calcium Mobilization and Response Recovery Followinig P2-							
	AJ	purinoceptor Stimulation of Rat Isolated Alveolar Type II Cells." Br J Pharmacol 97: 163-170, 1989. Hawgood, S., & K. Shiffer "Structures & Properties of the Surfactant-associated Proteins." Annu Rev							
	^3	Physiol 53: 375-394, 1991.							

Considered **Examiner** EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Pulmonary Surfactant Protein A." Proc Natl Acad Sci USA 85: 5566-5570, 1988.

Kuroki, Y., Mason, R., & D. Voelker "Chemical Modifications of Surfactant Protein A Alters High Affinity Binding to Rat Alveolar Type II Cells & Regulation of Phospholipid Secretion*." J Biol Chem 263 (33) 25:

Date

(Form PTO - 1449)

Kuroki, Y., Mason, R., & D. Voelker "Alveolar Type II Cells Express a High-affinity Receptor for

Use publication date indicated on the patent or published application. 37 CFR 1.98(b).

17596-17602, 1988.

AL

The place or publication refers to the name of the journal, magazine or other publication in which the article was published. Notice of January 9, 1992, 1135 O.G. 13 to 25 at 20.

Form PTO - 1449 U.S. Department of Commerce (Modified) Patent and Trademark Office MAY 2 4 2002

Information Disclosure Statement by Applicant

(use several Sheets if necessary)

|Docket No: STR01-NP007

|Serial No.: 10/045,904

Applicant: STRAYER, David S. |Filing Date: November 7, 2001 Art No. Examiner

U.S. PATENT DOCUMENTS

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Exmr Initial	Patent Number	Issue Date	Patentee	Class	Sub- Class	Filing Date If Appropriate
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						76
						703

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exmr Initial	Document Number	Publn Date*	Country or Patent Office	Class	Sub- Class	Translation? Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication**)						
A	AM	He, H, Lam, M, Mccormick, T., & C. Distelhorst "Maintenance of Calcium Homeostasis in the Endoplasmic Reticulum by BCL-2." J Cell Biol 138: 1219-1228, 1997.				
	AN	Ko, W., Wilson, S., & P. Wong "Purine & Pyrimidine Nucleotide Receptors in the Apical Membranes of Equine Cultured Epithelia." Br J Pharmacol 121: 150-156, 1997.				
	AO	Lewis, J., & A. Jobe "Surfactant & the Adult Respiratory Distress Syndrome." Am Rev Respir Dis 147: 218-233, 1993.				
	AP	Lillie, T., & B. Gomperts "Nucleotides & Divalent Cations As Effectors & Modulators of Exocytosis in Permeabilized Rat Mast Cells." Phil Trans Royal Soc Lond Ser B 336: 25-34, 1992.				
	AQ	Lillie, T., & B. Gomperts "Guanine Nucleotide is Essential and Ca ²⁺ is a Modulator in the Exocytotic Reaction of Permeabilized Rat Mast Cells." Biochem J 288: 181-187, 1992.				
	AR	Mikoshiba, K. "the InsP ₃ Receptor & Intracellular Ca ²⁺ Signalling." Curr Opin Neurobiol 7: 339-345, 1997.				
	AS	Miyata, H., Silverman, H., Sollott, S., Lakatta, E., Stern, M., & R. Hansford "Measurement of Mitochondria Free Ca ²⁺ Concentration in Living Single Rat Cardiac Myocytes." Am J Physiol 261: H1123-H1134, 1991.				
	AT	Nogee, L., Garnier, G., Dietz, H., Singer, L., Murphy, A., & D. deMello "A Mutation in the Surfactant Protein B Gene Responsible for Fatal Neonatal Respiratory disease in Multiple Kindreds." J Clin Invest 93: 1860-1863, 1994.				
	AU	Pian, M., Dobbs, L., & N. Düzgünes "Positive Correlation Between Cytosolic Free Calcium & Surfactant Secretion in Cultured Rat Alveolar Type II Cells." Biochim Biophys Acta 960: 43-53, 1988.				
	AV	Putney, J., & G. Bird "The Signal for Capacitative Calcium Entry." Cell 75: 199-201, 1993.				
	AW	Renard-Rooney, D., Hajnóczky, G., Seitz, m., Schneider, T., & A. Thomas "Imaging of Inositol 1,4,5-Trisphosphate-induced CA ²⁺ Fluxes in Single Permeabilized Hepatocytes." J Biol Chem 268 (31) 5: 23601-23610, 1993.				
	AX	Rice, W., Ross, G., Singleton, F., Dingle, S., & J. Whitsett "Surfactant-associated Protein Inhibits Phospholipid Secretion From Type II Cells." J Appl Physiol 63: 692-698, 1987.				
	AY	Richardson, A., & C. Taylor "Effects of Ca ²⁺ Chelators on Purified Inositol 1,4,5-Trisphosphate (InsP ₃) Receptors & InsP ₃ -stimulated Ca ²⁺ Mobilization*." J Biol Chem 268 (16) 5: 11528-11533, 1993.				
	AZ	Rooney, S., Young, S., & C. Mendelson "Molecular & Cellular Processing of Lung Surfactant." FASEB J 8: 957-967, 1994.				
	BA	Rotondo, S., Evangelista, V., Manarini, S., deGaetano, G., & C. Cerletti "Different Requirement of Intracellular Calcium & Protein Kinase C for Arachidonic Acid Release & Serotonin Secretion in Cathepsin G-activated Platelets." Thromb Haemost 78: 919-925, 1997.				
N	BB	Sano, K., Voelker, D., & R. Mason "Effect of Secretagogues on Cytoplasmic Free Calcium in Alveolar Type II Epithelial Cells." Am J Physiol 253: C679-C686, 1987.				
		0 0				

Examiner Considered EXAMINER: Initial cuation considered. Draw line through citation if not in conformance and not considered. Include copy of this

Date

form with next communication to applicant.

^{*} Use publication date indicated on the patent or published application. 37 CFR 1.98(b). (Form PTO - 1449)

The place or publication refers to the name of the journal, magazine or other publication in which the article was published. Notice of January 9, 1992, 1135 O.G. 13 to 25 at 20.

Modified) Patent and Trademark Office Information Disclosure Statement by Applicant (use several Sheets if necessary) MAN 2 1000 [Serial No.: 10/045,904 [Applicant: STRAYER, Date: November 7, 2000 [Art No. Examiner Allyson Purnell Co. Co									
U.S. PATENT DOCUMENTS									
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		Exp Cell Res 226: 90-9	7, 1996.						
	BE			omas "Surfactant Protein-A R ells." Rec Signal Transduc 7 (2)			Inhibition of Calcium		
	BF			tosis of a Subpopulation of Sep			incides with H ₂ O ₂		
				Neutrophils ¹ . J Immunol 152: 2					
	BG	Sugden, P., & A. Clerk "Regulation of the ERK Subgroup of MAP Kinase Cascades Through G Protein-coupled Receptors." Cell Signal 9 (5): 337-351, 1997.							
	ВН	Thastrup, O., Cullen, P., Drøbak, B., Hanley, M., & A. Dawson "Thapsigargin, a Tumor Promoter, Discharges Intracellular Ca ²⁺ Stores by Specific Inhibition of the Endoplasmic Reticulum Ca ²⁺ -ATPase." Proc Natl Acad Sci USA 87: 2466-2470, 1990.							
	BJ	Vainio, M., Saijonmaa, O., Fyhrquist, F., & K. Törnquist "Purinergic Agonists Stimulate the Secretion of Endothelin-1 in Rat Thyroid FRTL-5 Cells." J Cell Physiol 169: 538-543, 1996.							
	BK	Xu, J., Liu, M., Liu, J., Caniggia, I., & M. Post "Mechanical Strain Induces Constitutive & Regulated Secretion of Glycosaminoglycans & Proteoglycans in Fetal Lung Cells." J Cell Sci 109: 1605-1613, 1996.							
te	BL	Kuroki, Y., Shiratori, M., Murata, Y., & T. Akino "Surfactant Protein D (SP-D) Counteracts the Inhibitory Effect of Surfactant Protein A (SP-A) on Phospholipid Secretion by Alveolar Type II Cells." Biochem J 279: 115-119, 1991.							
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